



# National Weather Service

## Storm Data and Unusual Weather Phenomena



August 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

### CONNECTICUT, Northeast

#### Hartford County

South Windsor	10	0125EST			0	0			Thunderstorm Wind (G50)
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#### Tolland County

Vernon	10	0125EST 0136EST			0	0			Hail(1.75)
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#### Windham County

Hampton to East Killingly	10	0150EST 0200EST			0	0			Thunderstorm Wind (G50)
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A long-lived supercell, which formed in eastern New York during the late evening of the 9th, moved across northern Connecticut during the early morning hours of the 10th. The storm intensified as it entered Hartford County, and downed wires in South Windsor. As the storm entered Tolland County, there were many reports of dime to nickel size hail, but hail as large as golf balls fell in Vernon and Willington. In Windham County, the storm downed trees and large branches from Hampton to East Killingly. As this supercell moved east into Rhode Island and southeast Massachusetts, it produced more widespread wind damage and large hail.

#### Tolland County

Ellington	16	1235EST 1240EST	1.5	40	0	0	5K		Tornado (F1)
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Formed along a cold front

A small tornado touched down for about 5 minutes in Ellington, located in northwest Tolland County. It was an unusual tornado which spun up in a low level convergence area immediately along a cold front. There were several eyewitness accounts of a rotating funnel cloud, and the tornado first touched down on a trailer store along Route 83 in the northern part of Ellington. A total of 27 trailers were blown around and were left lying in different directions. One trailer, which weighed nearly 1,400 pounds, was lifted upward to a height of 35 feet and carried 60 yards. A cow barn, consisting of a galvanized steel frame, was damaged. Several trees were uprooted and many branches snapped off.

Based upon the damage observed, the tornado was classified as an F1 with wind speeds of 73 to 112 mph. The damage path was one and a half miles long and 40 yards wide. It traveled from the west-northwest to the east-southeast. No injuries were reported and there was only minimal damage.

### MASSACHUSETTS, Central and East

#### Worcester County

Gardner	03	1515EST			0	0			Hail(0.75)
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#### Franklin County

Orange	03	1740EST 1745EST			0	3	20K		Thunderstorm Wind (G74)
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A severe thunderstorm dropped dime size hail in Gardner. Another severe thunderstorm moved through Orange, and produced a microburst of one and a half miles in length across North Orange. The microburst was a little over one half mile wide at the west end, and about one and a half miles wide at the east end. Dozens of trees up to at least three and a half feet in diameter were downed, most in a west to east direction. Some were uprooted and others were snapped off at various heights. Three people were injured when a large tree fell on their vehicle. A large shed used to house a motor home was totally destroyed, with debris strewn over 50 yards. Wind speeds were estimated between 80 and 90 mph based upon the damage observed.

#### Norfolk County

Wrentham	10	0235EST			0	0			Hail(0.75)
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### MASSACHUSETTS, Central and East

<b>Norfolk County</b>									
Walpole	10	0240EST			0	0			Thunderstorm Wind (G50)
<b>Bristol County</b>									
Norton to Easton Center	10	0245EST 0255EST			0	0	5K		Hail(1.75)
<b>Bristol County</b>									
Easton Center	10	0255EST			0	0			Thunderstorm Wind (G50)
<b>Plymouth County</b>									
West Bridgewater	10	0255EST			0	0			Hail(0.75)
<b>Plymouth County</b>									
West Bridgewater to Brockton	10	0255EST 0305EST			0	0			Thunderstorm Wind (G50)
<b>Bristol County</b>									
Fairhaven	10	0425EST			0	0			Hail(0.75)
<b>Dukes County</b>									
Edgartown	10	0510EST			0	0			Thunderstorm Wind (G50)

A long-lived supercell, which formed over eastern New York during the late evening of the 9th, strengthened as it moved across northern Connecticut and northern Rhode Island, where it caused wind damage and dropped large hail. The storm entered southeast Massachusetts during the early morning hours of the 10th, and caused damage in Bristol, Norfolk, Plymouth, and Dukes Counties. Damage was more widespread in Bristol County, where hail as large as golf balls fell in Norton and Easton, damaging several cars. In Norfolk County, the storm dropped dime size hail in Wrentham and also downed several large trees in Walpole, one of which fell onto a shed, destroying it. The supercell weakened as it entered Plymouth County, but there were still many reports of downed branches, wires, and small trees in West Bridgewater and Brockton. Dime size hail also fell in West Bridgewater. In all, about 18,000 electric customers in southeast Massachusetts were left without power.

Other severe thunderstorms moved through south coastal Massachusetts and Marthas Vineyard closer to sunrise. Dime size hail was reported in Fairhaven, while large branches, wires, and one large tree were downed by thunderstorm winds in Edgartown.

<b>Franklin County</b>									
Greenfield	11 12	1900EST 0400EST			0	0			Heavy Rain
<b>Hampden County</b>									
West Springfield	11 12	1900EST 0400EST			0	0			Heavy Rain
<b>Hampshire County</b>									
Belchertown	11 12	1900EST 0400EST			0	0			Heavy Rain
<b>Worcester County</b>									
Royalston	11 12	1900EST 0400EST			0	0			Heavy Rain

Slow moving thunderstorms produced torrential rainfall in parts of central and western Massachusetts, with 2 to 4 inches of rainfall reported from the east slopes of the Berkshires to Worcester County. Storm totals included 4.70 inches in West Springfield, 3.90 inches in Greenfield, 3.82 inches in Royalston, 3.75 inches in Belchertown, 3.54 inches in Orange, 3.30 inches in South Deerfield, and 3.00 inches in Hampden. There were no reports of flooding.



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### NEW HAMPSHIRE, Southern

#### Cheshire County

Swanzy	03	1330EST			0	0			Hail(0.75)
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#### Hillsborough County

Merrimack	03	1445EST			0	0			Hail(0.75)
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#### Hillsborough County

Merrimack to Litchfield	03	1500EST			0	0			Thunderstorm Wind (G61)
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A severe thunderstorm produced dime sized hail in Swanzy. Another severe thunderstorm moving through Hillsborough County dropped dime size hail in Merrimack, and also produced straight line wind damage in Merrimack and Litchfield. About 5 to 10 trees, up to 2 feet in diameter, were downed. Several branches and power lines were also brought down. Wind speeds were estimated near 70 mph, based upon the damage observed.

### RHODE ISLAND

#### Providence County

Woonsocket to Cumberland	10	0200EST 0235EST			0	0	15K		Thunderstorm Wind (G70)
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#### Providence County

Cumberland	10	0230EST			0	0			Hail(1.75)
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A long-lived supercell, which formed over eastern New York during the late evening of the 9th, strengthened as it moved across northern Connecticut, where it caused wind damage and dropped large hail. The storm entered northern Rhode Island during the early morning of the 10th, and produced several brief microbursts in northern Providence County. The damage was rather isolated, but where it occurred was significant. A few large oak trees were snapped off near their tops in a subdivision behind Bryant College in Smithfield. One large pine tree was snapped at the college, and grass was flattened to the ground. All of the trees fell in a west-northwest to east-southeast direction. In Glocester, a very large and centuries-old chestnut tree was snapped off, blocking a portion of Route 102. In addition to the wind damage, the storm dropped golf ball size hail in Cumberland. The supercell then moved across southeast Massachusetts, causing additional wind damage and producing large hail. Wind speeds were estimated between 70 and 85 mph.

#### Providence County

Foster	16	1400EST	0.2	15	0	0			Tornado (F0)
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Brief weak tornado

#### Kent County

Coventry	16	1440EST			0	0			Hail(0.75)
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A weak tornado briefly touched down in a high elevation portion of North Foster. The location was on East Killingly Road, about 2 miles east of the Connecticut state line, at an elevation of 670 feet. The damage was isolated, with a large part of a tall pine tree snapped off near the top, and large branches near one foot in diameter taken down. Large limbs were broken off an oak tree adjacent to the pine. An apple tree was downed, and a six-foot wooden table was overturned. Aside from this, there was no damage evident anywhere else in the vicinity.

Based upon the damage observed, the tornado was rated an F0, with wind speeds of 40 to 72 mph. The path length was only 0.2 mile and the width was 15 yards. The funnel was observed moving from southwest to northeast

Also that afternoon, another severe thunderstorm dropped dime size hail in Coventry.